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Gray Davis
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August 15, 2001

TO: Prospective ICAT Participants

RE: Applications to the Innovative Clean Air Technologies Grant Program

The California Air Resources Board (ARB) is inviting you to submit an application to the Innovative Clean Air Technologies (ICAT) grant program. **This solicitation is strictly limited to projects that develop or demonstrate low-cost technologies for monitoring air pollutants, either indoors or in the ambient air on a neighborhood scale.** The selection of grantees will be made by the staffs of the ARB and the California Energy Commission (CEC), which is providing part of the funding for the program.

The ARB is making this solicitation in tandem with a similar (but broader) solicitation by the New York State Energy Research and Development Authority (NYSERDA). Both California and New York want to hasten the commercial availability of simple, low-cost technologies that can be widely deployed to measure exposure to air pollution on a much finer scale than is now possible with standard fixed-site air monitors. To ensure that grants are complementary with respect to the agencies' goals, the ARB, CEC, and NYSERDA will coordinate their reviews of applications and their selections of recipients for support.

NYSERDA's goal is to promote the development of new air and emissions monitoring technologies, for energy-related and other pollutants, that are automated, provide "real-time" data, and are accurate across the full range of expected concentrations for their target applications (e.g., indoor, outdoor, or stack).

The ARB's goal is to provide people and organizations who are concerned about their indoor or local air quality with practical means to monitor that air quality independently. Technologies supported by this program should be practical for measuring people's exposure where they live, work, recreate, or attend school. We are most interested in technologies to measure fine particulate matter, oxides of nitrogen (NO_x), ozone, and certain toxic air contaminants*. The goal of the CEC is obtaining technology to monitor

* hexavalent chromium, diesel PM, dioxins, PAH's, methylene chloride, perchlorethylene, p-dichlorobenzene, 1,3-butadiene, acetaldehyde, formaldehyde, acrolein, C₆-C₉ aromatic hydrocarbons, and phthalates

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.

exposures to particulate matter and other pollutants from natural gas -fired power plants. (For more information on the criteria that the ARB and the CEC will use in reviewing proposals, see "Eligible Technologies" in Part 1 of Instructions for Application on the ARB web page cited below.)

If you have a qualifying technology, we are inviting you to provide a short technical "pre-proposal" to *both* the ARB and NYSERDA. The form for a pre-proposal to either agency will be available starting August 19, 2002, at www.nyserda.org/funding.htm and at www.arb.ca.gov/research/icat/solicit.htm. For a valid application to ICAT, the ARB **requires** a pre-proposal by **September 17, 2002**, as an e-mail attachment to icat@arb.ca.gov. A pre-proposal is requested (but not required) on the same date by NYSERDA at bnl@nyserda.org. (NYSERDA will accept a full proposal on November 7, 2002, without prior receipt of a pre-proposal.)

Do not send full a proposal to either agency at this time.

There are important differences in the information that the ARB and NYSERDA require at the full-proposal stage, in the form of the support that they can provide, and in the criteria applied to select recipients. Therefore, *you should review the program explanations and full-proposal instructions that are available on the web pages shown above.*

The ARB plans to respond to pre-proposals by October 11. We *may* invite you to send a full project proposal, if your project appears to meet our selection criteria. (See the NYSERDA web page for an explanation of how they will respond to pre-proposals.) The ARB's invitations for full proposals will be based on the information provided in the pre-proposals.

Full proposals invited by the ARB will be due on November 7. About four weeks thereafter, we will contact the invited applicants to request more information, as needed. The requests may be generated by reviewers at the ARB and the CEC or by external reviewers whose service we may obtain for their expertise in instrumentation, chemical analysis, or air monitoring.

By early February, the ARB expects to inform each invited applicant whether or not we intend to recommend the applicant's project to our Board, which must approve all grants. (NYSERDA expects to identify its recipients sooner. See their web page for the schedule.)

The budget for all ICAT grants is about \$1,000,000. The ARB can consider a project requesting up to that amount. However, since we want to fund as many good projects

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as possible, a project whose proposed cost approaches our total budget could put an application at a disadvantage in competing for grants.

If you have any questions regarding this solicitation, please call Richard Vincent, ICAT Manager, at (916) 323-5774 or e-mail them to icat@arb.ca.gov. I can be reached at (916) 323-4519 or bcroes@arb.ca.gov regarding the Research Division's programs in general.

Sincerely,

Bart E. Croes, P.E., Chief
Research Division

Enclosure

cc: Richard Vincent